



## Replacement Sheet

## Figure 3 (page 1 of 1)

PA2	-----MILKILFISLISGWLISANDELGWTAKKSLVEREHLNQVLLGEENHLGAKVRRPRASPOHLLTGVYPSHAGNYLRFYFVGEOSIHHIGRSKPKDTECHAVSLVPPDLKFWPACLRG	120
PA	-----MILKILFISLISGWLISANDELGWTAKKSLVEREHLNQVLLGEENHLGAKVRRPRASPOHLLTGVYPSHAGNYLRFYFVGEOSIHHIGRSKPKDTECHAVSLVPPDLKFWPACLRG	80
N-terminal residue of mature PAPP-A2 (Ser-234)		
PA2	AVESPAATFVGDJFIGGSELLGDDAYLGNQRSKISLGEAGYOKGSAMATITTAITFTLWFKFETQRRGAKSRQRQVHKREABDGGGDSGSIISLFGFWPKHSLKHVKSPPEESN	240
PA	-----AVESPAATFVGDJFIGGSELLGDDAYLGNQRSKISLGEAGYOKGSAMATITTAITFTLWFKFETQRRGAKSRQRQVHKREABDGGGDSGSIISLFGFWPKHSLKHVKSPPEESN	240
N-terminal residue of mature PAPP-A (Glu-81)		
PA2	QNGGEGSYREATTFSQVGLFELYFSRRERILLRPEVLAETIPREATIVEAWKPSGGQNNPATTAGVTD-----SHTVSDKQWALGIRSGCKKCKGRDARFFSLMDDAVOCATILZSHSYQ	360
PA	-----QNGGEGSYREATTFSQVGLFELYFSRRERILLRPEVLAETIPREATIVEAWKPSGGQNNPATTAGVTD-----SHTVSDKQWALGIRSGCKKCKGRDARFFSLMDDAVOCATILZSHSYQ	192
PA2	PGTWIEVAATYDGRHMAKYVDGTQVASSLDGSGPLMSFPMASERILLGDSRGRGWYFRCLGLTVFWSTALDQSHQSSQMSGSEETADLVLTASFEVNTSEWVTRORUKYFLEV	400
PA	PGTWIEVAATYDGRHMAKYVDGTQVASSLDGSGPLMSFPMASERILLGDSRGRGWYFRCLGLTVFWSTALDQSHQSSQMSGSEETADLVLTASFEVNTSEWVTRORUKYFLEV	310
LNR1		
PA2	LQCFEPEDEILGDLQGLLQGLTVFQVNYALISQYNGYHFLAGEVIRYQVNNIDDEGLNFVSGGUALQHEALNLAISRYXINWQLSVHQVHSTLRHRVVLVNEPSKIGNDHOPEF	600
PA	-----LQCFEPEDEILGDLQGLLQGLTVFQVNYALISQYNGYHFLAGEVIRYQVNNIDDEGLNFVSGGUALQHEALNLAISRYXINWQLSVHQVHSTLRHRVVLVNEPSKIGNDHOPEF	420
LNR2		
PA2	DEPLTQYDGLLQGLLQGLTVFQVNYALISQYNGYHFLAGEVIRYQVNNIDDEGLNFVSGGUALQHEALNLAISRYXINWQLSVHQVHSTLRHRVVLVNEPSKIGNDHOPEF	710
PA	-----DEPLTQYDGLLQGLLQGLTVFQVNYALISQYNGYHFLAGEVIRYQVNNIDDEGLNFVSGGUALQHEALNLAISRYXINWQLSVHQVHSTLRHRVVLVNEPSKIGNDHOPEF	540
PA2	AYTGMFCHTDITMISYGRVIGLYVFKQVYSESEWDRKKEVPSMETGDLADTAPTKSELKAPRPTSD-----CTFPCADPTTMSYDDECTDFTTNOVARMHLYDLVYQGWTE	820
PA	-----AYTGMFCHTDITMISYGRVIGLYVFKQVYSESEWDRKKEVPSMETGDLADTAPTKSELKAPRPTSD-----CTFPCADPTTMSYDDECTDFTTNOVARMHLYDLVYQGWTE	660
PA2	SREKTPPIPIPFMVIGQTKSLTIHWPPISGVVYDRAAGSLGAGTSDGTFRQYVETASSARV-----DSSGYWTFBAGVFPDQVDFEPISLOANSPEVLYHMMVVFPE-TEGVSLELLEFO	950
PA	-----SREKTPPIPIPFMVIGQTKSLTIHWPPISGVVYDRAAGSLGAGTSDGTFRQYVETASSARV-----DSSGYWTFBAGVFPDQVDFEPISLOANSPEVLYHMMVVFPE-TEGVSLELLEFO	780
PA2	HFVQADTILWVT-----SFTRESSQVLFSTERELLEWKEVYHLEGLDITLIDPLTIKHLV-DGKVSQVYVTFDRIEIDAALLTSQDHSPLDSCGFVRYQVLRDPPFASGLVUVVTHSHRK	1075
PA	-----HFVQADTILWVT-----SFTRESSQVLFSTERELLEWKEVYHLEGLDITLIDPLTIKHLV-DGKVSQVYVTFDRIEIDAALLTSQDHSPLDSCGFVRYQVLRDPPFASGLVUVVTHSHRK	907
PA2	FTDVEVTPGOMVQVQLAAGSELOASFPFINHIGAPYSGDGKVSRLGEEEDGGLVSGDGLSKVLELESGTNGUGPSI-----SYMYEGGGTDEFFERKTSIVDICTYTPREVLDQWATRA	1105
PA	-----FTDVEVTPGOMVQVQLAAGSELOASFPFINHIGAPYSGDGKVSRLGEEEDGGLVSGDGLSKVLELESGTNGUGPSI-----SYMYEGGGTDEFFERKTSIVDICTYTPREVLDQWATRA	1027
PA2	YSSHEDEKKK-----FVSLVTCRPHS-LITGQYRDLNHAHAPITGQVYHASENETQDDRAEQDEGLCKEDVAVLVVFNAPGNAATITFLTDDGLVFGHQQTIVLYLTVGCGNHJLGT	1314
PA	-----YSSHEDEKKK-----FVSLVTCRPHS-LITGQYRDLNHAHAPITGQVYHASENETQDDRAEQDEGLCKEDVAVLVVFNAPGNAATITFLTDDGLVFGHQQTIVLYLTVGCGNHJLGT	1135
SCR1		
PA2	GLCQURFLIIVTHRQVFLPHHTSVLLMFZEFKVGICAVARIGSRIGLAAPN-----KSEEGGNNHGGCSLHNCQKND-----PSLLEDEADVNNISYGLMAGATIGRGFALQASSU	1434
PA	-----GLCQURFLIIVTHRQVFLPHHTSVLLMFZEFKVGICAVARIGSRIGLAAPN-----KSEEGGNNHGGCSLHNCQKND-----PSLLEDEADVNNISYGLMAGATIGRGFALQASSU	1253
SCR2		
PA2	QKIRAFMK-----LILLTGSGHNDQNVSLFVDSGVDFSLVNYANFSYSEGKFLKNSISYVFFAKLQGLSPWLTLEGLWSLPEVYKLEDAFFIILNANLLPHLODNEHVGTH	1552
PA	-----QKIRAFMK-----LILLTGSGHNDQNVSLFVDSGVDFSLVNYANFSYSEGKFLKNSISYVFFAKLQGLSPWLTLEGLWSLPEVYKLEDAFFIILNANLLPHLODNEHVGTH	1373
SCR4		
PA2	KYKPKCYHUPDCSSR-----KSKDAPKCTGQCGNQSCARVTVVDDDDPHFUGLYORTGTFNBEIRIIRSDSDAGGLGNNVIRHMDGTWNGCTVIRHMGQGVV-----NELNTHLKQ	1666
PA	-----KYKPKCYHUPDCSSR-----KSKDAPKCTGQCGNQSCARVTVVDDDDPHFUGLYORTGTFNBEIRIIRSDSDAGGLGNNVIRHMDGTWNGCTVIRHMGQGVV-----NELNTHLKQ	1491
SCR5		
PA2	KEOGYIGAVSPLEVTIFSDPEVMLPENITADTLEHMEPVKQSTV-----TGRQNHPEVLEVTQSEPYOAGN-----TOTYNNRAYSYDGGG-----SSTLSSKIVIPFADGOLD-----EETADF	1785
PA	-----KEOGYIGAVSPLEVTIFSDPEVMLPENITADTLEHMEPVKQSTV-----TGRQNHPEVLEVTQSEPYOAGN-----TOTYNNRAYSYDGGG-----SSTLSSKIVIPFADGOLD-----EETADF	1611
LNR3		
PA2	KEOGYIGAVSPLEVTIFSDPEVMLPENITADTLEHMEPVKQSTV-----TGRQNHPEVLEVTQSEPYOAGN-----TOTYNNRAYSYDGGG-----SSTLSSKIVIPFADGOLD-----EETADF	1785
PA	-----KEOGYIGAVSPLEVTIFSDPEVMLPENITADTLEHMEPVKQSTV-----TGRQNHPEVLEVTQSEPYOAGN-----TOTYNNRAYSYDGGG-----SSTLSSKIVIPFADGOLD-----EETADF	1611
PA2	YASBNQ-----	1791
PA	-----YASBNQ-----	1627